

# ENGINE HARMONIZATION WORKING GROUP REPORT

Date: 11 Sept 01

**ARAC Issue Group:** Transport Airplane & Engines  
**Working Group:** Bird Ingestion Phase II Task Group, Reporting to the Engine Harmonization Working Group (EHWG)

**Task Title:** Engine Bird Ingestion Requirements Phase II

**Task Description:** Define current bird threat and predictable changes. Determine if Phase I proposal is adequate. Consider high speed operations at low altitude. Recommend changes to Phase I rule and AC as appropriate. Assess effect of current threat on existing fleet and provide recommendations for areas of study other than engine certification requirements to mitigate risks.

**Expected Product(s)** NPRM ✓ AC ✓ Other ✓ (population control recommendation)

## Schedule:

	FAA Team	Working Group	TAEIG
1) Publication of the Federal Register Notice			
2) Work Plan Approval			
3) Concept Approval			
4) Preliminary T/W and Legal Support			
5) Technical Approval in HWG		11/01 (goal)	12/01 (goal)
6) Economic Evaluation			
7) Formal T/W and Legal Review			
8) Technical Agreement			
9) Recommendation to FAA			

**Status:** Six meetings have been held. Safety target has been set at aircraft level. Tentative agreement has been reached on requirements for large flocking birds to address the threat up to 8#. Recommendations for controlling populations of large flocking birds being drafted. FAA provided issue paper regarding high speed operations.

**Bottlenecks:** None at this time.

**Next Action:** Refine rule language, begin development of AC For large flocking birds.

**Future Meetings:** Task force meetings are scheduled for October 2001. Telecons are being conducted at scheduled intervals. Review with full EHWG will occur in October. Goal is submittal to TAEIG in Dec 01

*Handout 14*

# ENGINE HARMONIZATION WORKING GROUP ACTIVITY REPORT

Date: 11 Sept 01

**ARAC Issue Group:** Transport Airplane & Engines  
**Working Group:** Critical Parts Task Group, Reporting to the Engine Harmonization Working Group (EHWG)

**Task Title:** Critical Part Integrity Rule Initiative

**Task Description:** Develop Harmonized Rule and AC for FAR 33.14 and JAR-E 515 for life management of critical parts. This will include declared lives, a process to address material, manufacturing, and usage induced anomalies as well as the process to achieve the rotor integrity throughout the lifetime of the product.

**Expected Product(s)** NPRM ☒ AC ☒ Other ☐

**Schedule:**

	FAA Team	Working Group	TAEIG
1) Publication of the Federal Register Notice			
2) Work Plan Approval			
3) Concept Approval			
4) Preliminary T/W and Legal Support			
5) Technical Approval in HWG		10/01 (goal)	12/01 (goal)
6) Economic Evaluation			
7) Formal T/W and Legal Review			
8) Technical Agreement			
9) Recommendation to FAA			

**Status:** Existing JAR-E 515 will be used as basis of the new rule. Changes will be made to encompass cradle to grave concept of control of critical parts. Schedule allows only consideration of rotating parts at this time (ref 33.14). FAR's for pressure vessels (ref 33.64) and static structure (ref 33.18) will not be developed at this time.

**Bottlenecks:** None at this time.

**Next Action:** Refine rule abd AC language.

**Future Meetings:** Next task force meeting will be held in October, followed by a review with EHWG. Goal is submittal to TAEIG in Dec 01.